

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION	
Project Title: Catchment #99 New Water Collection Apron	Project No. 07-524
Region/GMU: Region 5; GMU 37A	HPC:
Project Type: Water Collection Apron for an Existing Wildlife Catchment	
Project Description: Catchment #99 is an existing wildlife water with a water collection apron that has deteriorated and requires replacement. The cement storage tank and drinker hold water, but they should be resealed and mucked out to extend their longevity. The existing apron is made of asphalt material, it has several holes in it, and it is not functional. The old collection apron needs to be removed and replaced with a new metal apron on a steel frame.	
Wildlife Species to Benefit: Deer , Javelina	
Possible Funding Partners:	
Implementation Schedule: Beginning: July 1, 2007 Completed: Jun 30, 2010	
PROJECT FUNDING	
SBG Funds Requested: \$ 4,527.90 Cost Share Funds: \$11,000.00 Total Project Costs: \$15,527.90	NEPA Compliance: (if applicable) Not needed Completed: Yes ____ No ____ Projected Completion Date:
PARTICIPANT INFORMATION	
Applicant: Bob Lemons 591, Jim Heffelfinger 530 Telephone: (520) 877-4360 (BL), 388-4448 (JH)	Address: AZ Game and Fish Department 555 N. Greasewood Road Tucson, AZ 85745
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Paul Puckett, Jim Heffelfinger	
Applicant's signature: <i>Bob Lemons</i>	Date: 8-22-07

SEND COMPLETED APPLICATIONS TO:

Game Branch
 2221 W. Greenway Rd.
 Phoenix, AZ 85023
 mdisney@azgfd.gov

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES ☒X_____ NO _____
Tucson HPC on August 27, 2007

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?
Yes, the project was submitted in 2006 but was not funded.

NEED STATEMENT/PROBLEM ANALYSIS:

This catchment primarily services mule deer, javelina, gambel quail, coyote, bobcat, and mountain lion. It was built in 1949 and provides a good distribution of water to service wildlife in a large geographic area. It is located in a series with other wildlife catchments to provide a network of water distribution. Many of the adjacent catchments that were built about the same time are in need of repair. Thus, the network that was established is not reliable year round and wildlife have become focused near a few operating catchments.

PROJECT OBJECTIVES:

Reconstruct the apron for catchment #99 to provide a reliable water source for wildlife. This will improve the current distribution of water and re-establish the existing network of wildlife waters for animal dispersal. This catchment apron is completely deteriorated and is not capturing water effectively.

PROJECT STRATEGIES:

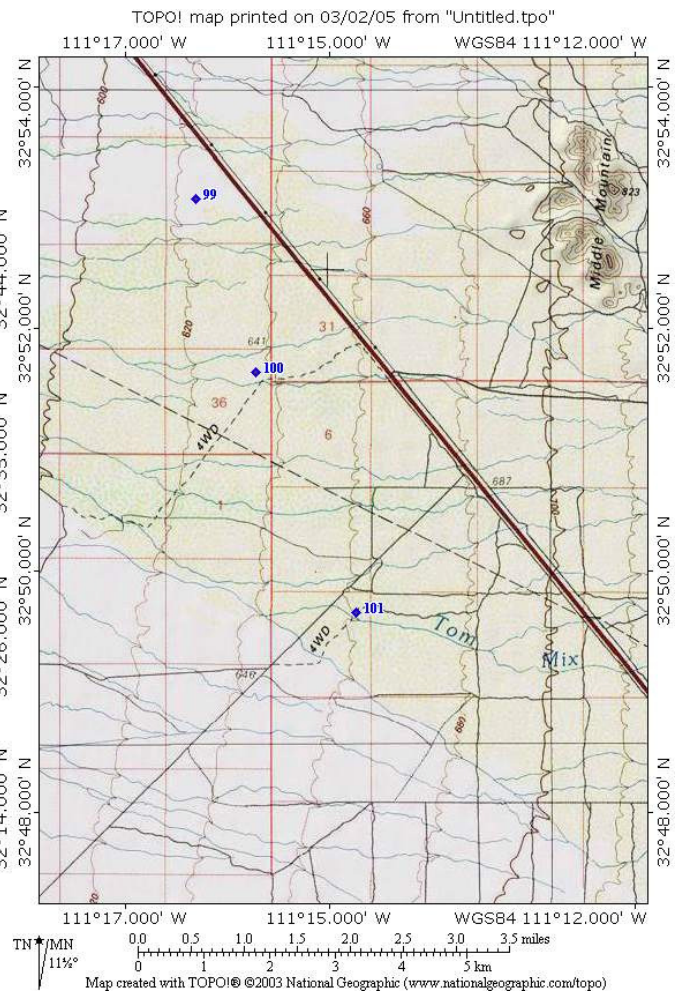
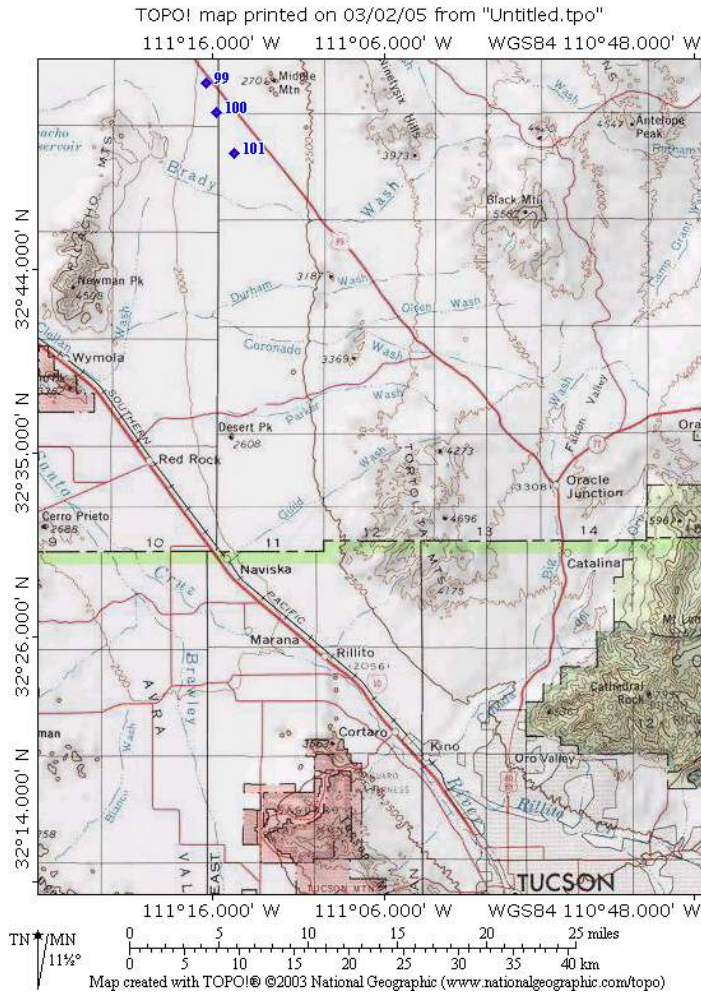
The following photos show the current condition of catchment # 99.



Catchment 99 has been repaired several times over the years, but it is now clear a new apron is necessary. Existing apron materials have reached their expected life span and need to be replaced so the catchment can become reliable for the long term. It is proposed to have the AGFD Development Branch furnish the labor to install a new 24' x 48' metal apron. The storage tank holds water OK, it is in fair condition, but should also be resealed and mucked out when the new apron is installed.

PROJECT LOCATION:

The site is located at GPS coordinates 32° 53.069'N and 111° 16.913'W.



LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

The project is located on Arizona State Lands.

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

N/A

HABITAT DESCRIPTION:

The location of this catchment is at an elevation of about 2063' in Sonoran Desert habitat consisting of palo verde, mesquite, prickly pear cactus, saguaro, and bursage.

ITEMIZED USE OF FUNDS:

Materials	Grant Dollars Requested	Cost Share AGFD
24' x 48' Apron	\$4027.90	
Plumbing, cement sealer, misc	500.00	
AGFD Labor, per diem, equipment		\$11,000
Total:	\$4527.90	\$11,000

If approved for funding, the grant dollars requested would be given to the Department's Development Branch to purchase the materials.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Catchment 99 has already been prioritized in the Department's statewide annual work plan to receive an apron. The Arizona Game and Fish Department Development crew would furnish the labor to install the new materials.

PROJECT MONITORING PLAN:

All catchments in Region 5 are monitored at least twice annually by wildlife managers to determine if water hauling is necessary.

PROJECT MAINTENANCE:

Catchment 99 is an existing wildlife water development that has been the Department's responsibility to maintain since it was first built in 1949 and this would continue after reconstruction.

PROJECT COMPLETION REPORT TO BE FILED BY: Wildlife Manager, Bob Lemons

WATER DEVELOPMENT PROJECTS (see attached worksheet):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet): N/A

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Catchment #99 New Water Collection Apron

- 1) Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Work Plan?" **YES**
- 2) Please list the Development Branch personnel coordinated with for this project.
Site visit with Paul Puckett
- 3) What is the estimated annual inches of precipitation for the area? (mark one)
☐ 2-4 ☐ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12 ☒ **12-14** ☐ 14-16 ☐ >16
- 4) Is there a perennial water source available to big game within five miles of this project?
☒ **YES** (please complete #5 below) ☐ **NO** (skip #5 below)
- 5) For the accessible, perennial water source nearest this project:
Name of water source: **DEVELOPMENT 100 AND 101**
Type of water source (**catchment**, spring, dirt tank, etc.):
Ownership of water source: **AZ Game and Fish Department**
Distance in miles from project: **2 MILES**
- 6) Is the target wildlife species a result of transplant efforts? **NO**
- 7) Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.
- 8) Please provide the following information about access to the proposed site:
Type of access (mark one): **2x4 vehicles** ☐ 4x4 only ☐ foot only**
 **If foot access only: Distance in miles: Approx. hiking time:

-- Does access to this site require crossing private or tribal lands? ☐ YES ☒ **NO**

-- Please describe any restrictions to public access: **NONE**
- 9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

SEE BUDGET FOR MATERIALS